

Fig. 10 is a cross-sectional view taken along line A-A of Fig. 8;

Fig. 11 is a cross-sectional view taken along line B-B of Fig. 8; and

Fig. 12 is an exploded view illustrating the procedure for housing a cylindrical mirror in the container shown in Fig. 8.

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### DETAILED DESCRIPTION OF THE EMBODIMENTS

A mechanism for the adjustable installation of a band plate-like member according to the present invention will be specifically explained below with reference to the accompanying drawings in accordance with the preferred embodiments. Incidentally, explanations will be made on the embodiments in which a mounting and adjusting mechanism employs a cylindrical mirror used in an optical scanner as a band plate-like member to adjust the magnification, register, and skew of the mirror.

As shown in Fig. 7, a cylindrical mirror 1 is formed in a long band plate shape and the longitudinal direction thereof is employed as the main scanning direction for performing reproduction scanning of the optical scanner. As shown in Fig. 5, a surface 1a of the cylindrical mirror 1 is formed into a cylindrical surface at the central portion related to scanning and generally into a plane at both ends. As shown in Figs. 8 to 12, the cylindrical mirror 1 is housed in a mirror holder 2 acting as a mirror container. As shown in Figs. 10 and 11, the mirror holder 2 is provided with a holder portion 2a, which is formed in the shape of a box generally rectangular in cross section, which is substantially as long as the cylindrical mirror 1, and which has an opening on one face in the longitudinal direction. As shown in Fig. 8, at both ends of the bottom plate of the holder portion 2a, there are formed mirror receiver portions 2b of small projections. The mirror receiver portions 2b, two being formed at one end and one at the other end, are adapted to be in contact at the three points with the reverse side of the cylindrical mirror 1. In addition, on the outer surface at the ends of the sidewall of the holder portion 2a, there are provided spring engagement portions 2c (Figs. 1, 2, and 8) made up of an appropriate projection.

As best seen in Fig. 8, on the respective ends of the holder portion 2a, there are provided support shafts 3, 4, with the support shaft 3 being larger in outer diameter than the support shaft 4. Furthermore, as shown in Figs. 8 and 12, at the central portion of the support shaft 3, there is formed an engagement portion 3a having three flat surfaces. Moreover, as